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ABSTRACT

Patterns of course distribution by subject areas and of courses taken by various majors are described in this report on Hawaii community colleges. Distribution of courses by educational objective indicates: certificate students were taking 72% of their work in vocational courses; associate of arts degree students were taking 88% of their work in general education courses; and associate of science degree students were taking 61% of their work in vocational courses. Distribution by majors reveals that liberal arts students continued to take the bulk of their work in general education (88%); vocational majors continued to take most of their work in vocational courses (63%); and unclassified students took two-thirds of their courses in general education. As in the past, liberal arts majors were the largest consumers of general education courses, generating 65% of all Student Semester Hours (SSH); vocational majors and unclassified students were responsible for 29% and 5%, respectively, of all SSH generated in general education. Vocational students continued to generate the bulk of vocational SSH (80%), followed by liberal arts majors and unclassified students (15% and 4%, respectively). An appendix outlines crossover major groupings. (MB)

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THE ACADEMIC CROSSOVER REPORT
COMMUNITY COLLEGES

FALL 1978

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University of Hawaii
Office of the Chancellor for Community Colleges

December 1978

JC 790 040

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CC-IRP 115
December 1978

THE ACADEMIC CROSSOVER REPORT
COMMUNITY COLLEGES
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The data on student semester hours (SSHs) in this report provide insight into the following questions: (1) What is the course-taking pattern of the different groups of student majors? (2) What is the client-serving pattern of the different "departments"? E.g., what proportion of the student semester hours in the humanities is generated by liberal arts majors? business majors? what proportion of the business majors' load is in the humanities? in business? etc.

Such information has been found especially helpful for physical facilities planning, for estimating staffing needs, and for academic planning, in general.

Sources of Data

Computer reports 2524B, C, D, based upon the student registrations as of October 13, 1978, were used as the primary sources of data. Included in this report are the student semester hours (SSHs) generated by early admits and concurrent students as well as regular credit students. For this reason, the total SSHs reflected in this report differ from those cited in CC-IRP 114: Selected Characteristics, Classified & Unclassified (Regular) Students, Fall 1978. (That report cites the SSHs of regular students, only.)

Highlights

The data this fall show that the course-taking, client-serving patterns have generally remained stable over the past five years.

I. What is the course-taking pattern of students?

A. By educational objective (Table I):

1. Certificate students are taking 72% of their work in vocational courses; A.A. students, 88% in general education courses; A.S. students, 61% in vocational courses; and "other" students, (special and unclassified), 68% in general education.

2. Certificate and Associate in Science students are taking 88% and 72%, respectively, of their work in courses numbered below 100. Associate in Arts and "other" students are taking 77% and 59%, respectively, of their work in courses numbered 100 and over.

B. By majors (Table II and Figure 2):

The course-taking pattern, by student majors, have remained stable over the past five years:

1. Liberal arts majors continue to take the bulk of their work in general education courses (88%). (88-89% in previous semesters.)

2. Vocational majors continue to take most of their work in vocational education courses (63%). (61-62% in previous semesters.)

3. Unclassified students are taking two-thirds of their work in general education.

II. What groups of student majors do the different "departments" serve? (Table II, Figure 1):

A. General Education Courses: As in the past years, liberal arts majors are the largest consumers of general education courses. Sixty-five percent of all SSHs are generated by liberal arts students (65% to 66% over the past years). Vocational majors and unclassified students are responsible for 29% and 5%, respectively, of the SSHs generated in general education.

B. Vocational Courses: Vocational students continue to generate the bulk of the vocational SSHs (80%) followed by liberal arts majors and unclassified students, (15% and 4%, respectively.)

III. Other observations:

A. As in the past years, the proportion of SSHs generated in the general education area is slightly less than two-thirds (62%) of the total. The range is from 46% at Hawaii Community College to 87% at Windward Community College. Thirty percent of all SSHs generated is in the humanities.

B. As was true in previous semesters, slightly over half (51%) of the SSHs were generated in courses numbered over 100. Seventy-seven percent of the SSHs of liberal arts students were in courses numbered over 100; 75% of the vocational students' credits were in courses numbered below 100.

C. About two-thirds (68,363 of 105,385) of all SSHs generated in courses numbered below 100 were in vocational education courses.

D. Slightly over four-fifths of the SSHs taken by early admits were in general education courses. The 901 SSHs attributed to early admits comprise 0.4% of total SSHs.

E. About four-fifths of the 739 SSHs taken by concurrent registrants were also in general education. (Last fall 74% of 858 SSHs were in general education courses.)

F. The data, by campus, show that the patterns have not changed greatly, excepting at Windward Community College where substantially more courses in the vocational area were offered this fall.

Summary

Data from the crossover reports over the years show stable clients-served, course-taking patterns at the community colleges. What are the implications for academic planning? for projecting staffing needs?

REPORT 25248 TABLE I COMMUNITY COLLEGE SYSTEM
SEMESTER FALL 1978 ACADEMIC CROSSOVER STUDY DATE 11/17/78
CAMPUS [COMMUNITY COLLEGE SYSTEM]

DISTRIBUTION OF SEMESTER HOURS TAKEN, BY EDUCATIONAL OBJECTIVE

MAJOR -- 001. GRAND TOTAL . . . . TOTAL ENROLLMENT -- 21052 PCT OF TOTAL ENROLLMENT -- 100.00
TOTAL CAMPUS SEM HRS -- 216173 PCT OF TOTAL CAMPUS SEM HRS -- 100.00

	TOTAL	MALES	FEMALES	NO DATA
HEAD COUNT BY SEX	21052	10989	10052	11
HORIZONTAL PERCENTAGE	100.00	52.20	47.75	0.05

EDUCATIONAL OBJECTIVE / COURSE AREA	TOTAL STUDENTS 21052 HPCT 100.00 SEM HRS	VPCT	CERTIFICATE STUDENTS 1751 HPCT 8.32 SEM HRS	VPCT	SUBTOTAL AREAS STUDENTS 17165 HPCT 81.54 SEM HRS	VPCT	ASSOC IN ARTS STUDENTS 9679 HPCT 45.98 SEM HRS	VPCT	ASSOC SCIENCE STUDENTS 7486 HPCT 35.56 SEM HRS	VPCT	OTHER & NO DATA STUDENTS 2136 HPCT 10.15 SEM HRS	VPCT
GRAND TOTAL	215173	100.00	14844	100.00	184574	100.00	100369	100.00	84205	100.00	11755	100.00
COURSE NO 000--099	105385	48.98	16193	87.52	84087	45.56	23564	23.48	60523	71.88	4805	40.48
COURSE NO 100--299	109788	51.02	2351	12.48	100487	54.44	76905	76.52	23682	28.12	6950	59.12
COURSE NO 100--199	85064	39.53	1765	9.37	78214	42.38	60702	60.48	17512	20.80	5085	43.26
COURSE NO 200--299	24724	11.49	586	3.11	22273	12.07	16103	16.04	6170	7.33	1365	15.97
GEN & PRE-PROF	134415	62.47	5256	27.89	121212	65.67	88028	87.90	32984	39.17	7947	67.61
COURSE NO 000--099	37022	17.21	3665	19.45	31758	17.21	15120	15.06	16638	19.76	1599	13.60
COURSE NO 100--299	97393	45.26	1591	8.44	89454	48.47	73108	72.84	16346	19.41	6348	54.00
COURSE NO 100--199	76563	36.51	1283	6.81	72513	39.29	57204	58.99	13309	15.81	4767	40.55
COURSE NO 200--299	18830	8.75	308	1.64	16941	9.18	13904	13.85	3037	3.61	1581	13.45
HUMANITIES	64711	30.07	2453	13.02	58178	31.52	43195	43.04	14983	17.79	4080	34.71
COURSE NO 000--099	16631	7.73	1695	8.99	14248	7.72	6913	6.89	7335	8.71	685	5.85
COURSE NO 100--299	48080	22.34	758	4.02	43930	23.80	36282	36.15	7648	9.08	3392	28.86
COURSE NO 100--199	39160	18.20	655	3.48	35959	19.48	29370	29.26	6589	7.82	2546	21.66
COURSE NO 200--299	8920	4.15	103	0.55	7971	4.32	6912	6.89	1059	1.26	846	7.20
NATURAL SCIENCES	35141	16.33	2016	10.70	31376	17.00	21011	20.93	10365	12.31	1749	14.88
COURSE NO 000--099	17490	8.13	1767	9.38	14991	8.12	7432	7.40	7559	8.98	732	6.23
COURSE NO 100--299	17651	8.20	249	1.32	16385	8.88	13579	13.53	2806	3.33	1017	8.65
COURSE NO 100--199	14709	6.84	207	1.10	13771	7.46	11454	11.41	2317	2.75	731	6.22
COURSE NO 200--299	2942	1.37	42	0.22	2614	1.42	2125	2.12	489	0.58	286	2.43
SOCIAL SCIENCES	32067	14.90	737	3.91	29522	15.99	22735	22.65	6787	8.06	1808	15.38
COURSE NO 000--099	2360	1.10	183	0.97	2029	1.10	531	0.53	1498	1.78	148	1.26
COURSE NO 100--299	29707	13.81	554	2.94	27493	14.90	22204	22.12	5289	6.28	1660	14.12
COURSE NO 100--199	23569	10.95	397	2.11	21927	11.88	17700	17.63	4227	5.02	1245	10.59
COURSE NO 200--299	6138	2.85	157	0.83	5566	3.02	4504	4.49	1062	1.26	415	3.53
OTHER GENERAL EDUC	2496	1.16	50	0.27	2136	1.16	1287	1.28	849	1.01	310	2.64
COURSE NO 000--099	541	0.25	20	0.11	490	0.27	244	0.24	246	0.29	31	0.26
COURSE NO 100--299	1955	0.91	30	0.16	1646	0.89	1043	1.04	603	0.72	279	2.37
COURSE NO 100--199	1125	0.52	24	0.13	856	0.46	680	0.68	176	0.21	245	2.08
COURSE NO 200--299	830	0.39	6	0.03	790	0.43	363	0.36	427	0.51	34	0.29
VOCATIONAL EDUCATION	80759	37.53	13588	72.11	63362	34.33	12141	12.10	51221	60.83	3808	32.39
COURSE NO 000--099	68363	31.77	12828	68.07	52329	28.35	8446	8.41	43883	52.12	3206	27.27
COURSE NO 100--299	12395	5.76	760	4.03	11033	5.98	3697	3.68	7336	8.71	602	5.12
COURSE NO 100--199	6501	3.02	482	2.56	5701	3.09	1498	1.49	4203	4.99	318	2.71
COURSE NO 200--299	5894	2.74	278	1.48	5332	2.89	2199	2.19	3133	3.72	284	2.42
BUSINESS	36681	17.05	5374	28.52	29319	15.88	8775	8.74	20544	24.40	1988	16.91
COURSE NO 000--099	31347	14.57	5131	27.23	24501	13.27	6285	6.26	18216	21.63	1715	14.59
COURSE NO 100--299	5334	2.48	243	1.29	4818	2.61	2490	2.48	2328	2.76	273	2.32
COURSE NO 100--199	2593	1.21	170	0.90	2315	1.25	993	0.99	1322	1.57	108	0.92
COURSE NO 200--299	2741	1.27	73	0.39	2503	1.36	1497	1.49	1006	1.19	165	1.40
HOTEL & RESTAURANT	5428	2.52	1485	7.88	3650	1.98	193	0.19	3457	4.11	293	2.49
COURSE NO 000--099	5428	2.52	1485	7.88	3650	1.98	193	0.19	3457	4.11	293	2.49
HEALTH SERVICES	4268	1.98	1847	9.80	2173	1.18	214	0.21	1959	2.33	248	2.11
COURSE NO 000--099	2670	1.24	1803	9.57	631	0.34	138	0.14	493	0.59	236	2.01
COURSE NO 100--299	1599	0.74	44	0.23	1542	0.84	76	0.08	1466	1.74	12	0.10
COURSE NO 100--199	903	0.42	8	0.04	887	0.48	36	0.04	851	1.01	8	0.07
COURSE NO 200--299	695	0.32	36	0.19	655	0.35	40	0.04	615	0.73	4	0.03
PUBLIC SERVICES	7603	3.53	531	2.82	6664	3.61	1225	1.22	5439	6.46	408	3.47
COURSE NO 000--099	3190	1.48	372	1.97	2667	1.44	367	0.37	2300	2.73	151	1.28
COURSE NO 100--299	4413	2.05	159	0.84	3997	2.17	858	0.85	3139	3.73	257	2.19
COURSE NO 100--199	2328	1.08	99	0.53	2065	1.12	309	0.31	1756	2.09	164	1.40
COURSE NO 200--299	2085	0.97	60	0.32	1932	1.05	549	0.55	1383	1.64	93	0.79
TECHNOLOGY	26543	12.34	4336	23.01	21394	11.59	1639	1.63	19755	23.46	813	6.92
COURSE NO 000--099	25496	11.85	4022	21.34	20721	11.23	1369	1.36	19352	22.98	753	6.41
COURSE NO 100--299	1047	0.49	314	1.67	673	0.36	270	0.27	403	0.48	60	0.51
COURSE NO 100--199	674	0.31	205	1.09	431	0.23	157	0.16	274	0.33	38	0.32
COURSE NO 200--299	373	0.17	109	0.58	242	0.13	113	0.11	129	0.15	22	0.19
OTHER VOCATIONAL	235	0.11	15	0.08	162	0.09	95	0.09	67	0.08	58	0.49
COURSE NO 000--099	232	0.11	15	0.08	159	0.09	92	0.09	67	0.08	58	0.49
COURSE NO 100--299	3	0.00	0	0.00	3	0.00	3	0.00	0	0.00	0	0.00
COURSE NO 100--199	3	0.00	0	0.00	3	0.00	3	0.00	0	0.00	0	0.00

REPORT 2524D TABLE II COMMUNITY COLLEGE SYSTEM DATE 11/17/78
SEMESTER FALL 1978 ACADEMIC CROSSOVER STUDY
CAMPUS COMMUNITY COLLEGE SYSTEM

DISTRIBUTION OF SEMESTER HOURS BY COURSE AREA BY MAJOR

COURSE AREA / MAJOR	TOTAL STUDENTS 21052 SEM HRS	V%	H%	LIBERAL ARTS STUDENTS 9631 SEM HRS	V%	H%	SUBTOTAL VOCATIONAL STUDENTS 9285 SEM HRS	V%	H%	UNCLASSIFIED & AUDITORS STUDENTS 1773 SEM HRS	V%	H%	NO DATA STUDENTS 28 SEM HRS	V%	H%	SUBTOTAL SPECIAL STUDENTS 335 SEM HRS	V%	H%
GRAND TOTAL	215173	100	100	99957	100	46	103461	100	48	9872	100	5	243	100	0	1640	100	1
COURSE NO 000--099	105385	49	100	23451	23	22	77129	75	73	4352	44	4	89	37	0	364	22	0
COURSE NO 100--299	109788	51	100	76506	77	70	26332	25	24	5520	56	5	154	63	0	1276	78	1
COURSE NO 100--199	85064	40	100	60511	61	71	19468	19	23	4105	42	5	130	53	0	850	52	1
COURSE NO 200--299	24724	11	100	15995	16	65	6864	7	28	1415	14	6	24	10	0	426	26	2
GEN & PRE-PROF	134415	62	100	87521	88	65	38547	37	29	6430	65	5	175	72	0	1342	82	1
HUMANITIES	64711	30	100	43050	43	67	17591	17	27	3413	35	5	70	29	0	597	36	1
NATURAL SCIENCES	35141	16	100	20927	21	60	12465	12	35	1390	13	4	45	19	0	414	25	1
SOCIAL SCIENCES	32067	15	100	22657	23	71	7602	7	24	1436	15	4	45	19	0	327	20	1
OTHER GENERAL EDUC	2496	1	100	1287	1	52	899	1	36	291	3	12	15	6	1	4	0	0
VOCATIONAL EDUCATION	80758	38	100	12036	12	15	64914	63	80	3442	35	4	68	28	0	298	18	0
BUSINESS	36681	17	100	8751	9	24	25942	25	71	1790	18	5	27	11	0	171	10	0
HOTEL & RESTAURANT	5428	3	100	193	0	4	4942	5	91	268	3	5	0	0	0	25	2	0
HEALTH SERVICES	4268	2	100	213	0	5	3807	4	89	233	2	5	0	0	0	15	1	0
PUBLIC SERVICES	7603	4	100	1216	1	16	5979	6	79	375	4	5	3	1	0	30	2	0
TECHNOLOGY	26543	12	100	1568	2	6	24162	23	91	738	7	3	38	16	0	37	2	0
OTHER VOCATIONAL	235	0	100	95	0	40	82	0	35	38	0	16	0	0	0	20	1	9
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REPORT 25240 TABLE II (CONT.) COMMUNITY COLLEGE SYSTEM
SEMESTER FALL 1978 ACADEMIC CROSSOVER STUDY DATE 11/17/78
CAMPUS COMMUNITY COLLEGE SYSTEM

DISTRIBUTION OF SEMESTER HOURS BY COURSE AREA BY MAJOR

COURSE AREA \ MAJOR	BUSINESS STUDENTS 3581 SEM HRS	V%	H%	EDUCATION STUDENTS 0 SEM HRS	V%	H%	*VOCATIONAL* HEALTH SERVICE STUDENTS 389 SEM HRS	V%	H%	HOTEL/RES STUDENTS 624 SEM HRS	V%	H%	PUBLIC SERVICE STUDENTS 1280 SEM HRS	V%	H%	TECHNOLOGY STUDENTS 3411 SEM HRS	V%	H%
GRAND TOTAL	38439	100	18	0	0	0	5070	100	2	7196	100	3	12446	100	6	40310	100	19
COURSE NO 000--099	29148	76	28	0	0	0	2534	50	2	6298	88	6	5131	41	5	34019	84	32
COURSE NO 100--299	9291	24	8	0	0	0	2536	50	2	898	12	1	7315	59	7	6292	16	6
COURSE NO 100--199	7076	18	8	0	0	0	1804	36	2	770	11	1	4761	38	6	5057	13	6
COURSE NO 200--299	2215	6	9	0	0	0	732	14	3	128	2	1	2554	21	10	1235	3	5
GEN & PRE-PROF	12489	32	9	0	0	0	1543	30	1	2020	28	2	6966	56	5	15529	39	12
HUMANITIES	7032	18	11	0	0	0	237	5	0	1044	15	2	2760	22	4	6508	16	10
NATURAL SCIENCES	2524	7	7	0	0	0	1053	21	3	629	9	2	1562	13	4	6697	17	19
SOCIAL SCIENCES	2800	7	9	0	0	0	243	5	1	323	4	1	2136	17	7	2100	5	7
OTHER GENERAL EDUC	133	0	5	0	0	0	10	0	0	24	0	1	508	4	20	224	1	9
VOCATIONAL EDUCATION	25950	68	32	0	0	0	3527	70	4	5176	72	6	5480	44	7	24781	61	31
BUSINESS	24885	65	68	0	0	0	56	1	0	310	4	1	180	1	0	511	1	1
HOTEL & RESTAURANT	186	0	3	0	0	0	8	0	0	4701	65	87	0	0	0	47	0	1
HEALTH SERVICES	49	0	1	0	0	0	3457	68	81	129	2	3	62	0	1	110	0	3
PUBLIC SERVICES	699	2	9	0	0	0	3	0	0	9	0	0	5027	40	66	241	1	3
TECHNOLOGY	131	0	0	0	0	0	3	0	0	22	0	0	151	1	1	23855	59	90
OTHER VOCATIONAL	0	0	0	0	0	0	0	0	0	5	0	2	60	0	26	17	0	7
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REPORT 2524D
SEMESTER FALL 1978
CAMPUS COMMUNITY COLLEGE SYSTEM

TABLE II (CONT.)

COMMUNITY COLLEGE SYSTEM
ACADEMIC CROSSOVER STUDY
AS OF NOV 17, 1978
DISTRIBUTION OF SEMESTER HOURS BY COURSE AREA BY MAJOR

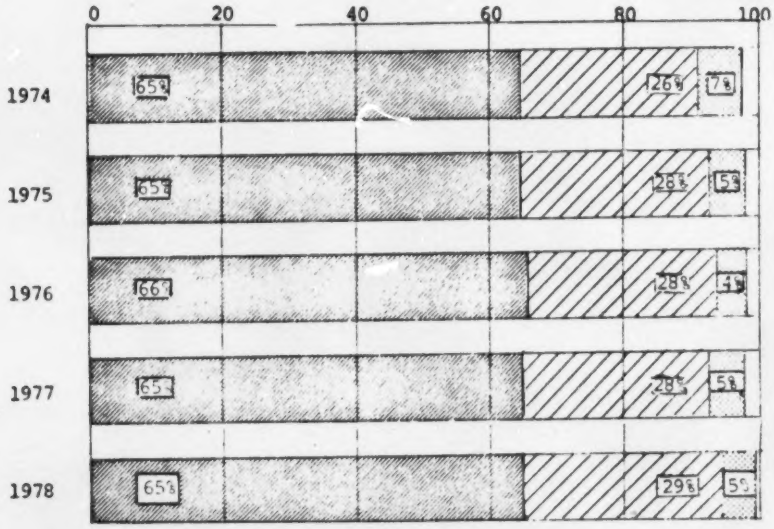
DATE 11/17/78

MAJOR / COURSE AREA	EARLY ADMIT STUDENTS 161 SEM HRS	V%	H%	CONCURRENT REG STUDENTS 174 SEM HRS	V%	H%	OTHER STUDENTS 0 SEM HRS	V%	H%
GRAND TOTAL	901	100	0	739	100	0	0	0	0
COURSE NO 000--099	203	23	0	161	22	0	0	0	0
COURSE NO 100--299	698	77	1	578	78	1	0	0	0
COURSE NO 100--199	518	57	1	332	45	0	0	0	0
COURSE NO 200--299	180	20	1	246	33	1	0	0	0
GEN & PRE-PROF	755	84	1	587	79	0	0	0	0
HUMANITIES	326	36	1	271	37	0	0	0	0
NATURAL SCIENCES	278	31	1	136	18	0	0	0	0
SOCIAL SCIENCES	147	16	0	180	24	1	0	0	0
OTHER GENERAL EDUC	4	0	0	0	0	0	0	0	0
VOCATIONAL EDUCATION	146	16	0	152	21	0	0	0	0
BUSINESS	83	9	0	88	12	0	0	0	0
HOTEL & RESTAURANT	13	1	0	12	2	0	0	0	0
HEALTH SERVICES	0	0	0	15	2	0	0	0	0
PUBLIC SERVICES	3	0	0	27	4	0	0	0	0
TECHNOLOGY	27	3	0	10	1	0	0	0	0
OTHER VOCATIONAL	20	2	9	0	0	0	0	0	0
NO DATA	0	0	0	0	0	0	0	0	0

FIGURE 1
DISTRIBUTION OF SSH BY COURSE AREA AND MAJORS
COMMUNITY COLLEGES
FALL 1974, 1975, 1976, 1977 & 1978

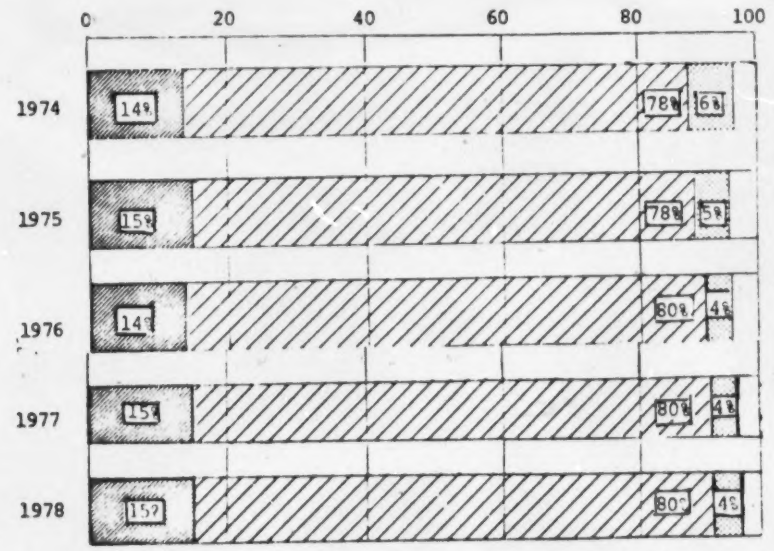
GENERAL EDUCATION COURSES:

What were the proportions taken by different majors?



VOCATIONAL EDUCATION COURSES:

What were the proportions taken by different majors?

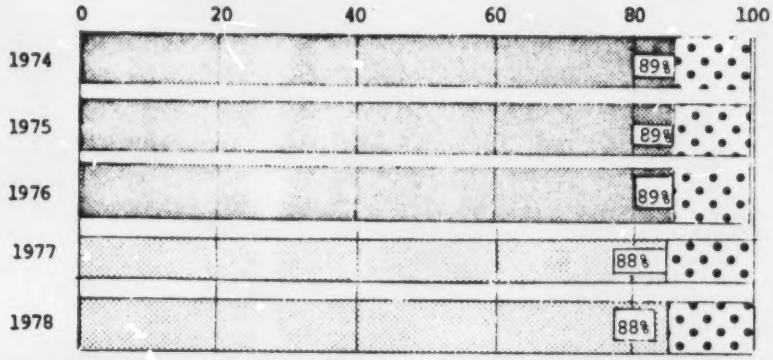


Liberal Arts Majors
Vocational
Unclassified
Others: Includes special students and students for whom data on educational objectives were missing.

FIGURE 2
DISTRIBUTION OF SSH BY STUDENT MAJORS AND THEIR WORKLOAD
COMMUNITY COLLEGES
FALL 1974, 1975, 1976, 1977 & 1978

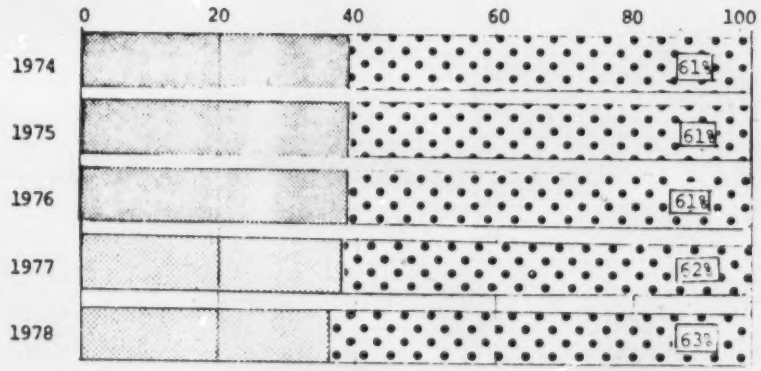
LIBERAL ARTS MAJORS:

What courses did they take?



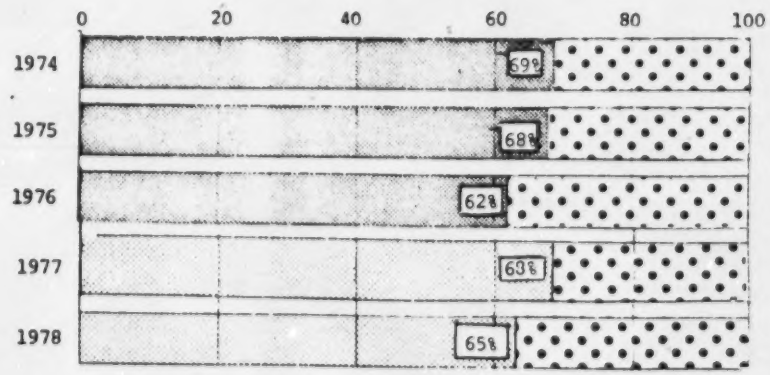
VOCATIONAL EDUCATION MAJORS:

What courses did they take?



UNCLASSIFIED STUDENTS:

What courses did they take?



General Education Courses

Vocational Courses

APPENDIX A
FALL 1978 CROSSOVER MAJOR GROUPINGS
COMMUNITY COLLEGES

Major Group	Majors Included
General & Pre-Prof	Liberal Arts
Business Education	
Accounting	Accounting
Computing Science	Information & Computer Science Data Processing Data Processing Operations
Finance	Finance
Sales & Management	Merchandising Mid-Management Hotel Operations Mid-Management Management
Secretarial & Related	Business Operations Clerical, Bookkeeping Clerical, General Clerical, Stenography Clerical, Typist General Office Training Secretarial Science
Health Services	
Associate Degree Nursing	Associate Degree Nursing
Dental Assisting	Dental Assisting
Medical Assisting	Medical Assisting
Medical Lab Technology	Medical Lab Technology
Medical Records Technology	Medical Records Technology
Nursing	Practical Nursing
Occupational Therapy Assistant	Occupational Therapy Assistant
Radiologic Technology	Radiologic Technology
Respiratory Therapy	Respiratory Therapy
Hotel & Food Services	
Commercial Baking	Commercial Baking
Food Service	Food Service
Food Service, Culinary Arts	Food Service, Culinary Arts
Food Service, Dining Room	Food Service, Dining Room

Major Group	Majors Included
Public Service	
Fire Science	Fire Science
Human Services	Human Services
Industrial Education	Industrial Education
Legal Assistant	Legal Assistant
Library Technology	Library Technology
Occupational Safety & Health	Occupational Safety & Health
Police Science	Police Science
Recreational Instructor Prog.	Recreational Instructor Program
Social Justice	Social Justice
Technology	
Aeronautics Technology	Aviation Maintenance Technology
Agriculture	Agriculture
Apparel Design & Construction	Fashion Design/Merchandising Apparel Design & Construction
Applied Trades	Applied Trades
Automotive Technology	Auto Body Repair & Painting Auto Mechanics Technology
Building, Construction Tech.	Carpentry Electricity Industrial Electricity
Commercial Art	Commercial Arts; Graphic Arts
Cosmetology	Cosmetology
Diesel Mechanics Technology	Diesel Mechanics Heavy Equipment Maintenance & Repair
Drafting Technology	Architectural Drafting Technology Drafting Technology Drafting & Engineering Aide
Electronics Technology	Electronics Technology
Engineering Technology	Engineering Technology
Maintenance Technology	Building Maintenance
Marine Pipefitter	Marine Pipefitter
Marine Technology	Marine Technology

Major Group	Majors Included
Technology (Cont.)	
Metalworking Trades Technology	Machine Shop Technology Welding & Sheet Metal Sheet Metal & Plastics Welding Technology
Refrigeration & Air Conditioning	Refrigeration & Air Conditioning
Unclassified & Auditor	
Unclassified Day Student	Unclassified
Unclassified Evening Student	Evening
Special Students	
Early Admissions	Early Admissions
Concurrent Registrants	Concurrent
Other Special Students	Other Special Students
No Data Majors	

UNIVERSITY OF CALIF.
LOS ANGELES
MAR 3 1979
CLEARINGHOUSE FOR
JUNIOR COLLEGES